

1 224 includes a pipeline processor 402, a loader 404, a metadata processor 406, an
2 error & event handler 408, a session manager 410, and an extended type manager
3 412.

4 Exemplary Metadata Processor

5 The metadata processor 406 is configured to access and store metadata
6 within a metadata store, such as database store 314 shown in FIGURE 3. The
7 metadata may be supplied via the command line, within a cmdlet class definition,
8 and the like. Different components within the administrative tool framework 200
9 may request the metadata when performing their processing. For example, parser
10 202 may request metadata to validate parameters supplied on the command line.

11 Exemplary Error & Event Processor

12 The error & event processor 408 provides an error object to store
13 information about each occurrence of an error during processing of a command
14 line. For additional information about one particular error and event processor
15 which is particularly suited for the present administrative tool framework, refer to
16 U.S. Patent Application No. ^{10/413,054} / U.S. Patent No. / entitled "System and
17 Method for Persisting Error Information in a Command Line Environment", which
18 is owned by the same assignee as the present invention, and is incorporated here
19 by reference.

20 Exemplary Session Manager

21 The session manager 410 supplies session and state information to other
22 components within the administrative tool framework 200. The state information
23 managed by the session manager may be accessed by any cmdlet, host, or core
24 engine via programming interfaces. These programming interfaces allow for the
25 creation, modification, and deletion of state information.